ATTORNEY DOCKET NO.: N1085-00154 [TSMC 2002-1334]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Cheng I. Sun

Serial No.: Not Known Yet Group Art Unit: Not Known Yet

Filed: 10/02/2003 Examiner: Not Known Yet

For: METHOD AND SYSTEM FOR ANALYZING SEMICONDUCTOR

FABRICATION

I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as "Express Mail Post Office to Addressee" Mailing Label Number EV 306257232 US to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

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Chris Lambriodes

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

- [X] Together with the present application.
- [] Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]
- [] After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR § 1.97(c)]
- [] After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR § 1.97(d)]

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

- [x] No separate requirements are needed.
- [x] No additional fee is required.

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[] Fee Under 37 CFR § 1.97(c)

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

[] Fee Under 37 CFR § 1.97(d)

The fee of \$180.00 for submission of an information disclosure statement under § 1.97(d) set forth in § 1.17(p) accompanies this statement.

[] Certification Under 37 CFR § 1.97(e)

- () Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- () No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this statement.

Provision of Copies of References

[X]		by of each of the non-U.S. patent references listed 1449 is enclosed herewith and forms a part here	
	[]	Partial Translations of References form a part hereof.	are enclosed herewith and
	[]	A copy of the European Search Report from a EPO application is enclosed herewith.	corresponding or related
	[]	A copy of the International Search Report from PCT application is enclosed herewith.	n a corresponding or related

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

- [] This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s).

 The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- [x] The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. <u>04-1679</u>. A duplicate copy of this transmittal is attached.

Respectfully submitted,

DATE: 10/2/03

Steven E. Koffs

Registration No. 37,163 Attorney for Applicant(s)

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	NOT YET ASSIGNED				
Filing Date	10/02/2003				
First Named Inventor	Cheng I. Sun				
Art Unit	NOT YET ASSIGNED				
Examiner Name	NOT YET ASSIGNED				
Attorney Docket Number	N1085-00154				

			U. S. PATENT D	OCUMENTS		
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (f known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	В	SHU-KAI S ET AL., "Siso Run-To-Run Controller Using Tripple EWMA Smoothing," Pages 1-9, Taiwan	
	С	TELFEYAN ET AL., "A Multi-Level Approach To The Control Of A Chemical-Mechanical Planarization Process," Pages 1- 20, U.S.A.	
	D	TELFEYAN ET AL., "Demonstration Of A Process-Independent Run-To-Run Controller, Pages 1-11. U.S.A.	
	E	HERZOG ET AL., "Preconditions And Strategies For Successful Implementation Of Advanced Process Control On A Large Scale, Pages 83-88, Germany	
	F	TSAKALIS ET AL. "The Role Of Dead-Zones In Improving Run-To-Run Control Performance," Pages 1-15, AEC/APC Symposium XI, Vail, Sept. 12-17, 1999, U.S.A.	
	G	HARDT ET AL., "Cycle To Cycle Manufacturing Process Control," Pages 1-9, U.S.A.	
	Н	CAMPBELL ET AL., "Run-To-Run Control of Photolithography Processes", Pages 1-6, 7/1/2001, Future Fab Volume 10, KLA-Tencor, U.S.A., http://www.future-fab.com/documents.asp?d_ID=1152_cited_5/15/2003	
	I	MOYNE, "Run By Run Control: Interfaces, Implementation, and Integration,", Pages 1-2, February 1995, CIDM Memo 95-12, Last Updated 11/6/1996, U.S.A., http://www-mtl.mit.edu/CIDM/memos/95-12/95-12.html_cited 5/15/2003	
	J	Chapter 3, "Principal Components Analysis," Pages 1-41, U.S.A.	
	к	Chapter 3, "Principal Components," Pages 458-485, U.S.A.	

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	R	HyperStat Online Contents, "Computing Pearson's Correlation Coefficient," Pages 1-2, U.S.A., http://davidmlane.com/hyperstat/A51911.html, cited 6/13/2003	
	s	TexaSoft's Statistics Tutorial - "Pearsons Correlation Coefficient," Pages 1-3, Copyright TexaSoft, 1996-2001, U.S.A., http://www.texasoft.com/winkpear.html, cited 6/13/2003	
	Т	Component Scores & Their Uses, Pages 1-3	

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